

PATENT

Attorney Docket No.: BEAU 4 US



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1646

371 (c) Date: October 07, 2002

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup/F.Krass
handling related case

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN

CERTIFICATE OF HAND DELIVERY

U.S. Patent and Trademark Office
2011 South Clark Place
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Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

I hereby certify that the following documents:

1. Supplemental Information Disclosure Statement Cover Letter dated March 25, 2004 -- Two (2) pages;
2. Form PTO-1449 (modified) -- Seven (7) pages; and
3. References Nos. 39-106.

are being hand-filed with the United States Patent and Trademark Office at the
Customer Window, 2011 South Clark Place, Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202 on March 30, 2004

Sam Zaghmout

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handling related caseTitle: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTINSUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Mail Stop Non-Fee Amendment (IDS)
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202

Sir:

The PTO did not receive the following
listed Item(s) Fors and NPLs

Pursuant to 37 CFR § 1.56, Applicants request that the references cited in the accompanying Form PTO-1449 containing references 39-106 to be considered by the Examiner in the above-identified application and made of record therein. Copies of the cited references are enclosed.

The references submitted in this Supplemental Information Disclosure Statement were listed in the bibliographies of Provisional Application Serial Numbers 60/149,958, filed August 20, 1999 and Provisional Application Serial Number 60/182,412, filed February 14, 2000. If a reference in the bibliographies was previously cited in this case, the reference was not duplicated in the accompanying Form PTO-1449.

PATENT

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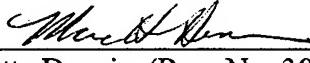
If the Examiner needs additional information or would like to receive the enclosed information in a different format, the Examiner is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this sheet is attached.

Respectfully submitted,

Date: March 25, 2004


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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/049,002
Sheet	1A	of	7-A	Filing Date	October 07, 2002
				First Named Inventor	A. Beaulieu
				Group Art Unit	1646
				Examiner Name	Ostrup, Clinton T. (related case)
				Attorney Docket Number	Beau 4 US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	39	SMAGLIK, P. "Promise and Problems Loom for Stem Cell Gene Therapy," The Scientist (1999), page 14, vol.13, no.15 and larger print version from The Scientist website	
	40	BROWN, C.D. et al., "A Review of Topical Agents for Wounds and Methods of Wounding-- Guidelines for Wound Management, Journal of Dermatology Surgery and Oncology, 1993, pages 732-737, vol. 19	
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	43	EDWARDS, C.A. et al., "Tri (n-Butyl) Phosphate/Detergent Treatment of Licensed Therapeutic and Experimental Blood Derivatives," Vox Sang. 1987, pages 53-59, vol. 52	
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	46	PIET, M.P.J. et al., "The Use of Tri (N-butyl) phosphate Detergent Mixtures to Inactivate Hepatitis Viruses and Human Immunodeficiency Virus in Plasma and Plasma's Subsequent Fractionation," 1990, Transfusion, pages 591-598, Vol 30., No. 7	
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	48	REGNAULT, V. et al., "Preparation de fibronectine humaine de haute purete fonctionnellement active," Revue Francaise de Transfusion et Immuno-hematologie, pages 19-34, 1988, Vol. 31, No. 1 (English Abstract)	
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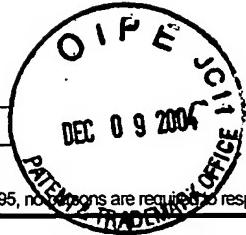
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Sheet 2A of 7-A

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First Named Inventor	A. Beaulieu
Group Art Unit	1646
Examiner Name	Ostrup, Clinton T. (related case)
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	50	HARAHAP, M., "Differential Diagnosis of Leg Ulcers," Clinics in Dermatology, 1990, pages 1-3, Vol. 8, No. 3/4	
	51	HARAHAP, M., "Leg Ulcers Caused by Bacterial Infections," Clinics in Dermatology, 1990, pages 49-65, Vol. 8, No. 3/4	
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	56	MULDER, G.D., "Clinical Protocols for Studying Wound Healing," Clinical Materials, 1991, pages 251-255, Vol. 8	

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Sheet 3A of 7-A

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	57	SINGER, A. J. et al., "Cutaneous Wound Healing," New England Journal of Medicine, 1999, pages 738-746, Vol. 341, No. 10	
	58	CLARK, R. A. F., "Potential Roles of Fibronectin in Cutaneous Wound Repair," Arch. Dermatol., 1988, pages 201-206, Vol. 124	
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Sheet 4A of 7-A

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	68	CZOP, J. K., "Phagocytosis of Particulate Activators of the Alternative Complement Pathway: Effects of Fibronectin," Advances in Immunology, 1986, pages 361-398, Vol. 38	
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Sheet 5A of 7-A

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Filing Date	October 07, 2002
First Named Inventor	A. Beaulieu
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	79	HORSBURGH, C. R. et al., "Lymphokines and Platelets Promote Human Monocyte Adherence to Fibrinogen and Fibronectin in Vitro," Journal of Leukocyte Biology, 1987, pages 14-24, Vol. 41	
	80	GRINNELL, F. et al., "Distribution of Fibronectin During Wound Healing in Vivo," The Journal of Investigative Dermatology, 1981, pages 181-189, Vol. 76, No. 3	
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	82	CLARK, R. A. F. et al., "Fibronectin and Fibrin Provide a Provisional Matrix for Epidermal Cell Migration During Wound Reepithelialization," The Journal of Investigative Dermatology, 1982, pages 264-269, Vol. 79, No. 5	
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	89	NAKADA, M. et al., "Efficacy of Exogenous Fibronectin in Wound Healing in Malnourished Rats," Journal of Pediatric Surgery, 1998, pages 1699-1702, Vol. 33, No. 11	

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Sheet 6A of 7-A

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	90	CHENG, C.Y. et al., "Fibronectin Enhances Healing of Excised Wounds in Rats," Arch. Dermatol., 1988, pages 221-225, Vol. 124	
	91	KONO, I. et al., "Beneficial Effect of Topical Fibronectin in Patients with Keratoconjunctivitis Sicca of Sjogren's Syndrome," Journal of Rheumatology, 1985, pages 487-489, Vol. 12	
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	93	WHITE, H., "A Heteroskedasticity-Consistent Covariance Matrix Estimator and a Direct Test for Heteroskedasticity," Econometrica, 1980, pages 817-838 Vol. 48, Issue 4	
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	97	GREENLAND, S., "Modeling and Variable Selection in Epidemiologic Analysis," American Journal of Public Health, 1989, pages 340-349, Vol. 79, No. 3	
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	99	FALANGA, V., "Care of Venous Leg Ulcers," Ostomy/Wound Management, 1999, pages 33S-43S, Vol 45 (Suppl. 1A)	
	100	MARGOLIS, D. et al., "Risk Factors Associated with the Failure of a Venous Leg Ulcer to Heal," Arch. Dermatol., 1999, pages 920-926, vol. 135	

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Sheet

7A

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	101	MARSTON, W. A. et al., "Healing Rates and Cost Efficacy of Outpatient Compression Treatment for Leg Ulcers Associated with Venous Insufficiency," J. Vasc. Surgery, 1999, pages 491-98, Vol. 30, No. 3	
	102	OLIN, J. W. et al., "Medical Costs of Treating Venous Stasis Ulcers; Evidence from a Retrospective Cohort Study," Vascular Medicine, 1999, pages 1-7, Vol. 4	
	103	PHAN, T.-M. M. et al., "Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers," American Journal of Ophthalmology, 1987, pages 494-501, Vol. 104	
	104	FLEISS, J., Statistical Methods for Rates and Proportions, 1981, pages 38-42, John Wiley and Sons, New York	
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	106	HOSMER, D. et al., Applied Logistic Regression, 1989, pages 149-170, John Wiley and Sons, New York	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Rec'd PCT/PTO 02 JUN 2003

PATENT
Attorney Docket Number: BEAU 4 US

CERTIFICATE OF HAND DELIVERY

I hereby certify that this correspondence is being hand filed with the United States Patent and Trademark Office in Washington, DC. 20231.

on June 02, 2003
(Date)

Typed or printed name of person signing this certificate

Dr. O.M. (Sam) Zaghamout
Signature O.M. Zaghamout

Attachments: List of the documents which are hand delivered to the USPTO are shown below:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Beaulieu, A. et al.

Application Serial Number: 10/049,992.

Title: SOLID WOUND HEALING FORMULATIONS CONTAINING FIBRONECTIN.

Filing Date: August 21, 2000

Art Unit: 1614

Examiner: C. T. Ostrup

Mail Stop: Non-Fee Amendment (IDS)

JUN 11 2003

Honorable Commissioner of Patents
P.O.BOX 1450
Alexandria, VA 222313-1450

Dear Sir:

Please find enclosed the following documents (Total: 10 items. Total number of pages: 31). These documents were hand-delivered to the PCT office (8 th floor, Reception Office).

1. Information Disclosure Statement cover letter. Date of the letter is May 13, 2003. (Three pages). Two copies (total: six pages)
2. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.
3. Form PTO-1449 (modified)-Two pages.
4. Form PTO-A820-One page.
5. PTO-892 (Notice of the references cited)-One page.
6. Form PTO-1449 (Modified)-Two pages.
7. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Ten pages.
8. PTO-A820. One page.
9. PTO-892- Two pages.
10. Information Disclosure Statement by Applicant (Substitute to form 1449A/PTO)-Four pages.

COPY

Attorney Docket No.: BEAU 4 US

DEC 09 2004

PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/049,992

Group Art Unit: 1614

Based on International Application No. PCT/CA00/00953

Applicant: Beaulieu, A. et al.

Examiner: C.T. Ostrup

International Application Filing Date: August 21, 2000

Title: SOLID WOUND HEALING
FORMULATIONS CONTAINING FIBRONECTIN**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Non-Fee Amendment (IDS)
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with to 37 CFR § 1.56, applicants identify the following related U.S. patent applications, which are relied on upon by this application for an earlier filing date under 35 USC § 120:

PATENT

Attorney Docket No.: BEAU 4 US

Case No.	Docket Number	Application Number	Filing Date (mm-dd-yy)	Priority Date (mm-dd-yy)	Priority Application	Status of Case
1	Beau 1	08/488,253	06-07-95	06-07-95	-----	ISSUED 06-24-97 - U.S. Patent 5,641,483
2	Beau 2	08/767,868	12-17-96	06-07-95	Case 1	ISSUED 10-13-98 - U.S. Patent 5,821,220
3	Beau 2 USA	09/331,344	06-16-99	06-07-95 12-17-96	Case 1 Case 2	ISSUED 03-04-03 U.S. Patent 6,528,483 B2
4	Beau 3	08/879,159	06-19-97	06-07-95	Case 1	ISSUED 03-02-99 - U.S.P. 5,877,149
5	Beau 3 DIV	09/245,785	02-05-99	06-06-95	Case 1	ISSUED 06-26-2001 - U.S.P. 6,251,859
6	Beau 3 2 ND DIV	09/862,971	05-22-01	06-06-95	Case 1	ABANDONED
7	Beau 3 3 RD DIV USA	10/108,206	03-26-02	06/07/95 06/19/97 02/05/99 05/22/01	Case 1 Case 4 Case 5 Case 6	To be abandoned
8	Beau 5	10/145,678	05-15-02	05-15-01	Note ¹	PENDING

All references listed on the annexed PTO-1449, PTO-892 and PTO-A820 forms are of record in the above-identified cases and are not enclosed with this document, in accordance with 37 C.F.R. 1.98 (d).

If the Examiner needs additional information or would like to receive the enclosed information in a different format, he is requested to call or e-mail the undersigned.

The Information Disclosure Statement submitted herewith is being filed before the mailing of a first Office Action on the merits.

¹ Beau 5 also claims the priority of the earlier filed U.S. cases, including the present application.

PATENT

Attorney Docket No.: BEAU 4 US

The Commissioner is hereby authorized to charge any additional fees, or to credit any overpayment, to Deposit Account No. 15-0699. A duplicate copy of this document is attached for fee processing.

Respectfully submitted,

Date: May 13, 2003


Manette Dennis (Reg. No. 30,623)
Ostrager Chong & Flaherty LLP
825 Third Avenue 30th Floor
New York, New York 10022
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mdennis@ocflaw.com

Form PTO-1449
(Modified)

Attorney Docket: Beau 2 US

UNITED STATES PATENT AND TRADEMARK OFFICE

DEC 09 2004
PATENT & TRADEMARK OFFICE

Applicants: Beaulieu et al.

Serial No.: 09/331,344

Filed: August 21, 1999

Title: Wound Healing Formulations Containing Human Plasma Fibronectin

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE

Examiner: Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB-CLASS	TRANSLATION
						YES NO
A	EP 0 312 208	4/19/89	European Patent Office	A61K	37/02	
B	EP 0 592 380 A1	4/13/94	European Patent Office	A61K	37/02	
C	WO 89/05653	6/29/89	World Intellectual Property Organization	A61K	37/02	
D	WO 90/13653	11/15/90	World Intellectual Property Organization	C12N	15/62	
E	WO 91/15233	10/17/91	World Intellectual Property Organization	A61K	37/48	
F	WO 93/08825	5/13/93	World Intellectual Property Organization	A61K	37/02	

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(Including Author, Title, Date, Relevant Pages, Place of Publication)

G	Devlin, TM. Textbook of Biochemistry: with Clinical Correlations. Wiley: New York, 1997. pp 5-7, 9, 34-37
H	Harper, HA. Harper's Biochemistry. Appleton & Lange: Norwalk, Connecticut, 1988.
I	Hynes, RO. Fibronectins. Springer-Verlag: New York, 1990. pp 12-14
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O I P E

DEC 09 2002

L	Stryer, L.	Biochemistry. W.H. Freeman: New York, 1995.
M	Van Holde, KE. Johnson, WC. Ho, PS. Principles of Biochemistry. Prentice Hall: Upper Saddle River, New Jersey, 1998. pp 16-17	
N	Voet, D., Voet, Judith G. Biochemistry John Wiley & Sons, Inc. 1995. pp. 72-77	
O	Horowitz, B., Chang, MY. "Preparation of Fibronectin for Therapeutic Administration in Mosher, DF. Fibronectin. Academic Press: San Diego, 1989. pp 441-455	
P	Sibbald, RG. Ostomy/Wound Management 44(9). 1998. pp 52-58, 60-66.	

Examiner:

Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 2 of 2

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Notice of References Cited

Application No. 08/767,868 | Applicant(s)

Beaulieu et al.

Examiner

Frederick Krass

Group Art Unit

1501

Page 1 of 1

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	4,341,764	7-1982	Wallace et al.	424	101
B				----	----
C					
D					
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
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NON-PATENT DOCUMENTS

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Form PTO-1449
(Modified)

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP(C)

Serial No.: 08/488,253

Group:

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
HUMAN PLASMA FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB-CLASS	FILING DATE
A	4,455,300	06/19/84	WALLACE ET AL.	424	101	05/25/82
B	4,740,498	04/26/88	HIRAO ET AL.	514	8	10/23/85
C	4,925,924	05/15/90	SILVER ET AL.	530	356	10/26/87
D	4,973,466	11/27/90	REICH	424	426	06/21/88
E	5,045,631	09/03/91	KIMIZUKA ET AL.	530	350	02/13/89
F	5,053,388	10/01/91	GIBSON ET AL.	514	2	06/25/90
G	5,102,988	04/07/92	KIMIZUKA ET AL.	530	350	06/08/89
H	5,124,155	06/23/92	REICH	424	428	09/17/90

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
I	WO 90/08833	08/09/90	PCT				
J	WO 92/12739	08/06/92	PCT				
K	WO 92/13003	08/06/92	PCT				
L	WO 91/15233	10/17/91	PCT				
M	WO 90/06767	06/28/90	PCT				
N	WO 90/13653	11/15/90	PCT				
O	EP 0 312 208A1	04/19/89					
P	EP 0 407 008A2	04/29/89					

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Form PTO-1449
(Modified)



UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andre Beaulieu MD FRCP (C)

Group:

Serial No.: 08/488,253

Filed: June 7, 1995

Title: WOUND HEALING FORMULATION CONTAINING
HUMAN PLASMA FIBRONECTIN

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

T	Nishida, T. et al., Rapid Preparation of Purified Autologous Fibronectin Eyedrops, Jpn. J. Ophthalmol (1982) 26:416-24.
U	Phan, T. M. et al., Topical Fibronectin in the Treatment of Persistent Corneal Epithelial Defects and Trophic Ulcers, Am. J. Ophthalmol (1987) 104:494-501.
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W	Edwards, C.A. et al., Tri (n-butyl) Phosphate/Detergent Treated of Licensed Therapeutic and Experimental Blood Derivatives, Vox Sang (1987) 52:53-59.
X	Horowitz, B. et al., Solvent/Detergent-Treated Plasma: A Virus-Inactivated Substitute for Fresh Frozen Plasma, Blood (1992) 79:826-31.
Y	Grinnell, F. et al., Degradation of Fibronectin and Vitronectin in Chronic Wound Fluid: Analysis by Cell Blotting, Immunoblotting and Cell Adhesion Assays, J Invest Dermatol (1992) 98:410-416.
Z	Chen, W.Y.J. et al., Characterization of Biologic Properties of Wound Fluid Collected During Early Stages of Wound Healing, J Invest Dermatol (1992) 99:559-64.
AA	Berman, M. et al., Ulceration is Correlated With Degradation of Fibrin and Fibronectin at the Corneal Surface, Invest Ophthalmol Vis Sci (1983) 24:1358-66.
BB	Horowitz, N. et al., Preparation of Fibronectin for Therapeutic Administration, IN: D.F. Mosher (ed.), Fibronectin, pages 441-55, San Diego, Academic Press (1989).
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FF	Saba, T.M. et al., "Prevention of Liver Reticuloendothelial Systemic Host Failure After Surgery by Intravenous Opsonic Glycoprotein Therapy," Annals of Surgery, 188:142-52 (1978).
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II	Denaturing (SDS) Discontinuous Gel Electrophoresis: Laemmli Gel Method, pages 10.2.4 - 10.2.9, Current Protocols in Molecular Biology (1994)
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FORM PTO-892 (REV. 2-82)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO.	GROUP ART UNIT	ATTACHMENT TO PAPER NUMBER	
				08/488,253	1501		
		NOTICE OF REFERENCES CITED		APPLICANT(S)	Beau Lieu		

U.S. PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
A	5 4 2 7 7 7 8	6-95	Finkenauer et al	424	78.08	
B	4 9 2 9 4 4 2	5-90	Powell	424	85.2	
C	4 8 3 7 0 1 9	6-89	Georgakis et al	424	101	
D			0			
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FOREIGN PATENT DOCUMENTS							
*	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG. PP. SPEC.
L							
M							
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Q							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 10

Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	100	4,001,442		Stahlberger et al.	01-04-77	
	101	4,243,656		Walliczek	01-06-81	
	102	4,347,841		Benyo et al.	09-07-82	
	103	4,361,552		Baur, Jr.	11-30-82	
	104	4,458,678		Yannas et al.	07-10-84	
	105	4,570,629		Widra	02-18-86	
	106	4,587,284		Luissi et al.	05-06-86	
	107	4,614,794		Easton et al.	09-30-86	
	108	4,664,105		Dautzenberg et al.	05-12-87	
	109	4,703,108		Silver et al.	10-27-87	
	110	4,837,285		Berg et al.	06-06-89	
	111	4,919,939		Baker	04-24-90	
	112	4,937,230		Pickart	06-26-90	
	113	4,937,323		Silver et al.	06-26-90	
	114	4,939,135		Robertson et al.	07-03-90	
	115	4,947,840		Yannas et al.	08-14-90	
	116	4,960,413		Sagar et al.	10-02-90	
	117	4,981,841		Gibson	01-01-91	
	118	4,983,580		Gibson	01-08-91	
	119	5,019,096		Fox, Jr. et al.	05-28-91	

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (10-96)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

Sheet 2 of 10 Attorney Docket Number Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	120	5,045,601		Capelli et al.	09-03-91	
	121	5,053,388		Gibson et al.	10-01-91	
	122	5,064,653		Sessions et al.	11-12-91	
	123	5,076,265		Wokalek	12-31-91	
	124	5,124,392		Robertson et al.	06-23-92	
	125	5,128,321		Murray et al.	07-07-92	
	126	5,143,071		Keusch et al.	09-01-92	
	127	5,196,185		Silver et al.	03-23-93	
	128	5,196,196		Scott et al.	03-23-93	
	129	5,206,023		Hunziker	04-27-93	
	130	5,260,066		Wood et al.	11-09-93	
	131	5,270,300		Hunziker	12-14-93	
	132	5,271,939		Robertson et al.	12-21-93	
	133	5,273,900		Boyce	12-28-93	
	134	5,304,378		Koga et al.	04-19-94	
	135	5,348,939		Horowitz et al.	09-20-94	
	136	5,360,611		Robertson et al.	11-01-94	
	137	5,366,508		Brekke	11-22-94	
	138	5,368,858		Hunziker	11-29-94	
	139	5,393,602		Urry	02-28-95	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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DEC 09 2004

PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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of | 10

Attorney Docket Number

Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	140	5,395,398		Rogozinski	03-07-95	
	141	5,401,509		Robertson et al.	03-28-95	
	142	5,401,510		Robertson et al.	03-28-95	
	143	5,428,010		Murray et al.	06-27-95	
	144	5,453,492		Butzow et al.	09-26-95	
	145	5,462,536		Braatz et al.	10-31-95	
	146	5,466,462		Rosenthal et al.	11-14-95	
	147	5,480,877		Mosher, Jr. et al.	01-02-96	
	148	5,498,600		Murray et al.	03-12-96	
	149	5,514,647		Horowitz et al.	05-07-96	
	150	5,516,896		Murray et al.	05-14-96	
	151	5,520,672		Urry	05-28-96	
	152	5,525,349		Robertson et al.	06-11-96	
	153	5,534,026		Manders et al.	07-09-96	
	154	5,567,612		Vacanti et al.	10-22-96	
	155	5,573,775		Robertson et al.	11-12-96	
	156	5,580,570		Robertson et al.	12-03-96	
	157	5,582,835		Robertson et al.	12-10-96	
	158	5,589,184		Robertson et al.	12-31-96	
	159	5,589,185		Robertson et al.	12-31-96	

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Examiner Signature		Date Considered	
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/331,344
(use as many sheets as necessary)		Filing Date	10/01/01 based on 08/21/99
		First Named Inventor	A. Beaulieu
		Group Art Unit	1614
		Examiner Name	F. Krass
Sheet	4	of	10
		Attorney Docket Number	Beau 2 US CPA CPA

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	160	5,599,558		Gordinier et al.	02-04-97	
	161	5,599,788		Purchio et al.	02-04-97	
	162	5,604,200		Taylor-McCord	02-18-97	
	163	5,604,204		Ammann et al.	02-18-97	
	164	5,605,938		Roufa et al.	02-25-97	
	165	5,607,694		Marx	03-04-97	
	166	5,610,148		Brown	03-11-97	
	167	5,613,982		Goldstein	03-25-97	
	168	5,624,893		Yanni	04-29-97	
	169	5,629,287		Brown et al.	05-13-97	
	170	5,629,292		Rodgers et al.	05-13-97	
	171	5,631,011		Wadstrom	05-20-97	
	172	5,631,019		Marx	05-20-97	
	173	5,651,982		Marx	07-29-97	
	174	5,654,267		Vuori et al.	08-05-97	
	175	5,654,270		Ruoslahli et al.	08-05-97	
	176	5,654,273		Gallo et al.	08-05-97	
	177	5,665,373		Robertson et al.	09-09-97	
	178	5,672,336		Sharma	09-30-97	
	179	5,676,967		Williams et al.	10-14-97	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass

Attorney Docket Number Beau 2 US CPA CPA

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		Number	Kind Code ² (if known)			
	180	5,681,568		Goldin et al.	10-28-97	
	181	5,686,425		Lee	11-11-97	
	182	5,691,423		Smith et al.	11-25-97	
	183	5,695,777		Donovan et al.	12-9-97	
	184	5,700,476		Rosenthal et al.	12-23-97	
	185	5,703,047		Wilson	12-30-97	
	186	5,705,177		Roufa et al.	01-06-98	
	187	5,705,178		Roufa et al.	01-06-98	
	188	5,709,854		Griffith-Cima et al.	01-20-98	
	189	5,714,588		Purchio et al.	02-03-98	
	190	5,716,404		Vacanti et al.	02-10-98	
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	193	5,733,563		Fortier	03-31-98	
	194	5,733,884		Barbul et al.	03-31-98	
	195	5,739,113		Lee	04-14-98	
	196	5,741,685		Vacanti	04-21-98	
	197	5,744,442		Richards et al.	04-28-98	
	198	5,759,570		Arnold	06-02-98	
	199	5,763,399		Lee	06-09-98	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/331,344
Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

Sheet 6 of 10

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	200	5,763,416		Bonadio et al.	06-09-98	
	201	5,766,631		Arnold	06-16-98	
	202	5,767,079		Glaser et al.	06-16-98	
	203	5,770,417		Vacanti et al.	06-23-98	
	204	5,780,244		Engvall et al.	07-14-98	
	205	5,782,788		Widemire	07-21-98	
	206	5,798,116		Brown	08-25-98	
	207	5,804,178		Vacanti et al.	09-08-98	
	208	5,820,874		Mahoney et al.	10-13-98	
	209	5,827,735		Young et al.	10-27-98	
	210	5,827,826		Jaye et al.	10-27-98	
	211	5,830,504		Vuori et al.	11-03-98	
	212	5,833,665		Boothman et al.	11-10-98	
	213	5,834,418		Brazeau et al.	11-10-98	
	214	5,834,432		Rodgers et al.	11-10-98	
	215	5,837,224		Voorhees et al.	11-17-98	
	216	5,843,156		Slepian et al.	12-01-98	
	217	5,843,182		Goldstein	12-01-98	
	218	5,843,741		Wong et al.	12-01-98	
	219	5,846,604		Caldwell	12-08-98	

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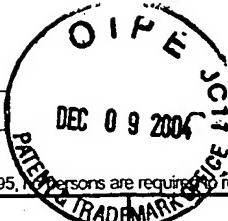
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Sheet 7 of 10

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/331,344
		Filing Date	10/01/01 based on 08/21/99
		First Named Inventor	A. Beaulieu
		Group Art Unit	1614
		Examiner Name	F. Krass
Sheet	7	of	10
		Attorney Docket Number	
		Beau 2 US CPA CPA	

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		Number	Kind Code ² (if known)			
	220	5,851,833		Atala	12-22-98	
	221	5,851,993		Jalkanen et al.	12-22-98	
	222	5,854,205		O'Reilly et al.	12-29-98	
	223	5,854,221		Cao et al.	12-29-98	
	224	5,855,610		Vacanti et al.	01-05-99	
	225	5,856,245		Caldwell et al.	01-05-99	
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	228	5,891,558		Bell et al.	04-06-99	
	229	5,899,936		Goldstein	05-04-99	
	230	5,902,741		Purchio et al.	05-11-99	
	231	5,904,717		Brekke et al.	05-18-99	
	232	5,910,489		Falk et al.	06-08-99	
	233	5,919,702		Purchio et al.	07-06-99	
	234	5,928,633		Fukuyama et al.	07-27-99	
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	237	5,932,552		Blanchard et al.	08-03-99	
	238	5,935,594		Ringiesen et al.	08-10-99	
	239	5,942,496		Bonadio et al.	08-24-99	

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Filing Date	10/01/01 based on 08/21/99
First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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Attorney Docket Number Beau 2 US CPA CPA

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		Number	Kind Code ² (if known)			
	240	5,945,403		Folkman et al.	08-31-99	
	241	5,948,432		Timmons et al.	09-07-99	
	242	5,955,430		Rodgers et al.	09-21-99	
	243	5,955,978		Pierschbacher et al.	09-21-99	
	244	5,958,874		Clark et al.	09-28-99	
	245	5,962,325		Naughton et al.	10-05-99	
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	247	5,965,125		Mineau-Hanschke	10-12-99	
	248	5,976,523		Awaya et al.	11-02-99	
	249	5,981,471		Papathanassiou et al.	11-09-99	
	250	5,981,825		Brekke	11-09-99	
	251	5,989,577		Hoath et al.	11-23-99	
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	255	6,020,326		Roufa et al.	02-01-00	
	256	6,024,688		Folkman et al.	02-15-00	
	257	6,037,139		Greenspan et al.	03-14-00	
	258	6,040,493		Cooke et al.	03-21-00	
	259.	6,054,504		Dalla Riva Toma	04-25-00	

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First Named Inventor	A. Beaulieu
Group Art Unit	1614
Examiner Name	F. Krass
Attorney Docket Number	Beau 2 US CPA CPA

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	260	6,054,122		MacPhee et al.	04-25-00	
	261	6,056,970		Greenawalt et al.	05-02-00	
	262	6,071,447		Bootman et al.	06-06-00	
	263	6,074,840		Bonadio et al.	06-13-00	
	264	6,083,930		Roufa et al.	07-04-00	
	265	6,090,911		Petka et al.	07-18-00	
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	267	6,106,855		Haynes et al.	08-22-00	
	268	6,110,208		Soranzo et al.	08-29-00	
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	271	6,117,425		MacPhee et al.	09-12-00	
	272	6,123,957		Jernberg	09-26-00	
	273	6,124,265		Timmons et al.	09-26-00	
	274	6,124,273		Drohan et al.	09-26-00	
	275	6,127,348		Roufa et al.	10-03-00	
	276	6,129,761		Hubbell	10-10-00	
	277	6,159,495		Timmons et al.	12-12-00	
	278	6,159,496		Blanchard et al.	12-12-00	
	279	6,165,496		Timmons et al.	12-26-00	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 10

Substitute for form 1449A/PTO		ENT & TRADEMARK OFFICE		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/331,344
				Filing Date	10/01/01 based on 08/21/99
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				Group Art Unit	1614
				Examiner Name	F. Krass
Sheet	10	of	10	Attorney Docket Number	Beau 2 US CPA CPA

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	290	AU	573626		Johnson & Johnson	06-16-88		
	291	PCT/ US	WO 00/55206	A1	Wijelath et al.	09-21-00	page 25	
	292	JP	3232898	A	Takara Shuzo Co., Ltd.	10-16-91		
	293	CA	2,083,741	A1	W.R. Grace & Co.	07-25-93		
	294	PCT/ GB	WO 98/00180	A1	Johnson & Johnson Medical, Inc.	01-08-98		
	295	PCT/ GB	WO 98/00446	A1	Johnson & Johnson Medical, Inc.	01-08-98		
	296	EP	0901795	A2	Johnson & Johnson Medical, Inc.	03-17-99		
	297	JP	11-146909	A		06-02-99		
	298	EP	0901795	A3	Johnson & Johnson Medical, Inc.	11-29-00		

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) Beau-3	Application Number 08/879,159
Applicant(s) Andre Beaulieu			
Filing Date June 19, 1997		Group Art Unit 1501	

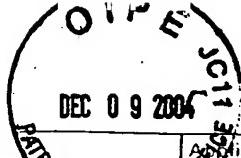
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OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

Product Information Sheet for Improved Teflon Flow-Thru Diffusion Cell— Crown Glass Company Inc.

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Notice of References Cited

Application No. 08/879,159	Applicant(s) Beaulieu
Examiner Frederick Krass	Group Art Unit 1614

Page 1 of 1

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,457,093	10-1995	Cini et al.	514	12
B	4,594,884	6-1986	Bondi et al.	73	64.3
C					
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
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V		
W		
X		

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Notice of References Cited



DEC 09 2004

Application/Control No.

09/862,971

Applicant(s)/Patent Under

Reexamination

BEAULIEU, ANDRE

Examiner
Frederick Krass

Art Unit
1614

Page 1 of 1

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*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
A	US-6,048,337	04-2000	Svedman	604	313
B	US-				
C	US-				
D	US-				
E	US-				
F	US-				
G	US-				
H	US-				
I	US-				
J	US-				
K	US-				
L	US-				
M	US-				

FOREIGN PATENT DOCUMENTS

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N					
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	Chemical Abstract 110,060, "Further contribution to the absorption of the active ingredient of Arthofluor ointment" (1982)
V	
W	
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/145,678
(use as many sheets as necessary)		Filing Date	May 15, 2002
		First Named Inventor	A. Beaulieu
		Group Art Unit	1614
		Examiner Name	Ostrup, Clinton T.
		Attorney Docket Number	Beau 5
Sheet	1	of	4

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) DEC 09 2001

Sheet 1 of 4

Attorney Docket Number

John D. Bockert

Examiner Name	Ostrum, Clinton T
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Attorney Docket Number: Beau

PATENT DOCUMENTS

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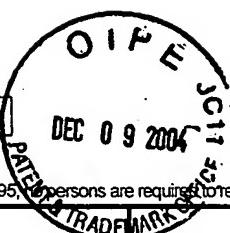
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/145,678
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Group Art Unit	1614
Examiner Name	Ostrup, Clinton T.

Attorney Docket Number

Beau 5

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	DRAGET, KURT I. et al., "Alginate based new materials," International Journal of Biological Macromolecules, 1997, Vol 21, pp 47-55, Elsevier Science B.V.	
	22	PIACQUADIO, D. et al., "Alginates," J. Dermatol. Surg. Oncol. 1992 18:990-98, Elsevier Science Publishing Co., Inc.	
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Sheet 3 of 4

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Application Number	10/145,678
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Examiner Name	Ostrup, Clinton T.
Attorney Docket Number	Beau 5

U.S. PATENT DOCUMENTS

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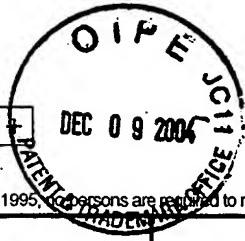
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Sheet 4 of 4

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